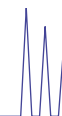


YMC Pilot Glass Columns - Overview



YMC Pilot columns are designed for use in pilot and production scale applications with organic solvents or aqueous buffers.

Advantages:

- Full resin compatibility
- Easy to operate
- Customize to meet your needs

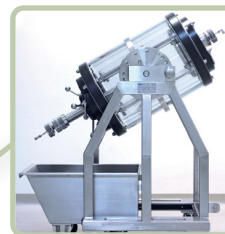
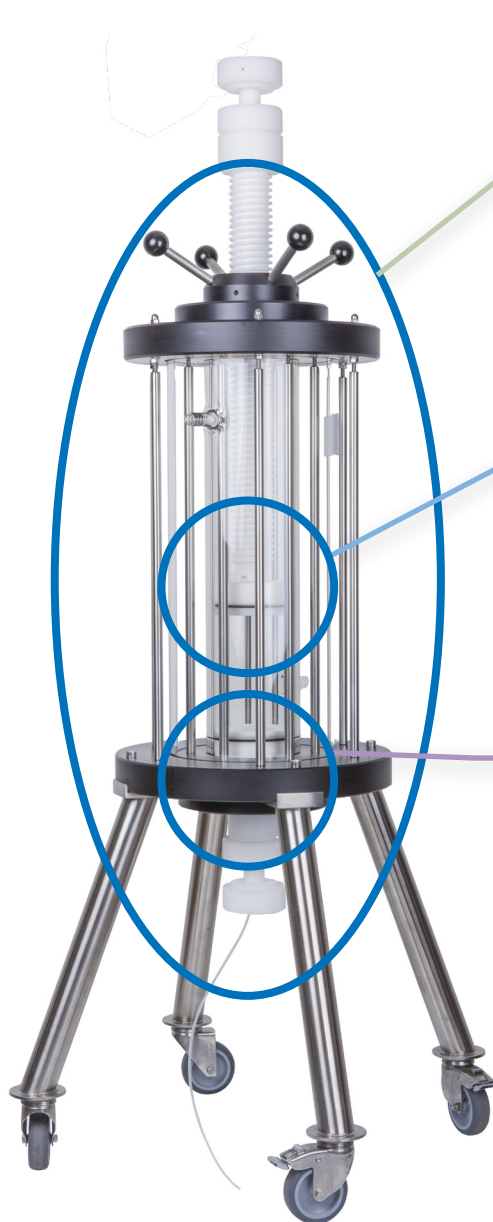
Specifications:

Area of application:	Pilot scale purifications
Inner diameters:	100, 140, 200, 300 mm*
Bed lengths:	500, 850 mm*
Versions:	AB (aqueous buffer) SR (solvent resistant)
Temperature range:	4-40 °C
Packing adaptor:	Available
Heating/cooling jacket:	Optional
Column stand:	Included, swivel stand available

*Customization possible

Pressure Resistance:

ID (mm)	100	140	200	300
Pressure limit (bar)	10	7	5	3



Available Customizations

- Heating/cooling jackets for temperature sensitive applications
- Swivel stands for easy unpacking
- Additional column dimensions



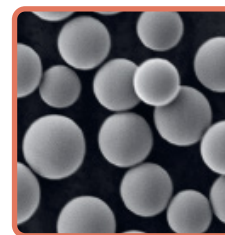
Reliable Sealing; Compressed O-ring

- Long lasting, high quality materials
- Fast replacement
- Easy piston adjustment



Fully porous frits

- Optimum flow distribution
- Excellent packing results
- Different materials and porosities available



Full resin compatibility

- Organic solvent resistant version (SR)
- Biocompatible aqueous buffer version (AB)
- Longer bed length range for SEC

YMC Pilot Glass Columns - Specifications

Inner diameter	100				140			
Glass body length	500 mm		850 mm		500 mm		850 mm	
Version	AB	SR	AB	SR	AB	SR	AB	SR
Bed Length [mm]	70-420 ¹	20-430 ¹	420-770 ¹	310-780 ¹	70-410 ¹	20-440 ¹	420-760 ¹	330-790 ¹
Column Volume [L]	0.6-3.2	0.2-3.3	3.3-6.0	2.5-6.1	1.1-6.3	0.4-6.7	6.5-11.6	5.1-12.1
Pressure Limit [bar]	10	10	10	10	7	7	7	7
Temperature Range [°C]	4-40	4-40	4-40	4-40	4-40	4-40	4-40	4-40
Total Weight [kg]	19	27	23	31	34	42	42	51
Weight Adjustable End Piece [kg]	4	9	4	9	6	11	6	11
Weight Fixed End Piece [kg]	2	5	2	5	4	7	4	7
Footprint [mm]	450x420	450x420	450x420	450x420	480x440	450x440	450x440	450x440
Maximum Column Height [mm]	1,750	1,770	2,100	2,120	1,750	1,780	2,100	2,130
Inner diameter	200				300			
Glass body length	500 mm		850 mm		500 mm		850 mm	
Version	AB	SR	AB	SR	AB	SR	AB	SR
Bed Length [mm]	90-430 ¹	20-460 ¹	440-780 ¹	360-810 ¹	20-390 ¹	80-450 ¹	330-740 ¹	430-800 ¹
Column Volume [L]	2.9-13.5	0.7-14.4	13.9-25.5	11.4-25.4	1.4-26.6	5.6-30.8	22.8-50.7	29.7-54.8
Pressure Limit [bar]	5	5	5	5	3	3	3	3
Temperature Range [°C]	4-40	4-40	4-40	4-40	4-40	4-40	4-40	4-40
Total Weight [kg]	49	67	59	77	83	126	96	139
Weight Adjustable End Piece [kg]	9	19	9	19	25	48	25	48
Weight Fixed End Piece [kg]	6	15	6	15	18	38	18	38
Footprint [mm]	600x500	600x500	600x500	600x500	650x550	650x550	650x550	650x550
Maximum Column Height [mm]	1,800	1,830	2,150	2,180	1,920	1,830	2,270	2,180

Solvent	AB Version	SR Version
Acetone		
Acetonitrile		
Ammonium dihydrogen phosphate		
Cyclohexane		
Dichloromethane		
0.1 M EDTA (3%)		
1 M Acetic acid (6%)		
Ethanol		
Ethyl acetate		
n-Hexane		
Isopropanol		
Methanol		
2 M NaOH (8%)		
1 M HCl (4%)		
8 M Urea (36%)		
1 M NaCl		
0.5 M Na ₂ SO ₄		

Not Resistant Limited Resistant Resistant



Scan the QR code for more information & applications

You can also access the brochure via this link:
<https://www.ymcamerica.com/resource/ymc-pilot-glass-columns/>



¹Depending on packing material and packing method



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